CpSc 1020 – *Computer Science II*
Course Syllabus and Policies

Instructor

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Meeting Times and Location

Section 001 - MWF 10:10 AM - 11:00 A.M
Section 002 - MWF 11:15 AM – 12:05 PM
119 McAdams

Office Hours

MW 2:00 - 3:00 or by appointment

Textbook

Required:
ZyBooks Programming in C++ with zylabs.

Suggested book:
Most of my notes for this course are based on the following book:
Tony Gaddis, Judy Walters, Godfrey Muganda, *C++ Early Objects*

Lecture Notes, Assignments, Homeworks

I will do my best to post all notes, slides, programming and homework assignments, etc., on Canvas, but there are no guarantees they will all get posted. You are responsible for taking notes. If you miss a class you are responsible for the material covered during the missed class.

Course Overview

According to the course catalog the course overview is as follows:

Continuation of CPSC 1010. Continued emphasis on problem solving and program development techniques. Examines typical numerical, nonnumerical, and data processing problems. Introduces basic data structures.

Prerequisites

CPSC 1010 or CPSC 1110 with a C or better. Coreq: CPSC 1021.

Learning Objectives

After completing this course, you will be able to write software to solve different computing problems. You will be familiar with the basic features of the C++ programming language.

At the end of the semester, students should be able to do the following:

In no particular order.

- Plan, design, implement, test and debug, and deploy a complete object-oriented software solution in a Linux environment
- Define inheritance and apply it in a software project

- Describe how references allow for objets to be accessed in multiple ways

- Classify and use common data structures including lists, vectors, arrays, etc.

- Articulate design principles including information hiding and encapsulation

Grading

Performance in this course will be evaluated by assigned ZyBook activities, programming assignments (3 - 5), quizzes (5 - 8), in-class activities, exams (2 midterms and a final), and labs.

Grading	
ZyBook Activities	10%
Programming Assignments	20%
Quizzes and In-class Activities	15%
Labs	10%
Midterm (possibly 2)	30%
Final	15%

These figures are tentative. I reserve the right to adjust the percentage weight within each category by up to 15%.

Grading Scale	
90 – 100	A
80 – 89.999	B
70 – 79.999	C
60 – 69.999	D
Below 59.999	F

I will not curve grades. However, throughout the semester there will be several opportunities for extra credit. It is strongly recommended that you take advantage of the extra credit opportunities. These extra credit opportunities will not only help boost your average but they are designed to better help you understand the material being taught.

Letter grades will be based on a 10-point scale.

As a general rule, I do **NOT** round up grades. However, when determining final grades, I reserve the right to factor in student participation, including but not limited to, regular attendance, class participation, regular help session attendance and office hour visits.

Grade Appeal

It is my policy not to discuss a grade any earlier than 24 hours after grades returned to students.

You may challenge a grade regarding assignments, quizzes, or exams. The challenge must be communicated to the instructor within one week of the date the grade is available. Challenged grades will result in the entire assignment being regraded. After the one week time period I will **not** change a grade.

ZyBook Activities 10%

You are expected to purchase access to ZyBooks. ZyBook provides practice activities, as well as "challenge" activities that are directly relate to the material we will cover. The specific activities you are expected to complete will be assigned at the beginning of each week. The challenge activities will have a higher percent weight than the practice activities. I will determine percentage split at the end of the semester.

Programming Assignments 20%

There will be several programming assignments given during the semester. Details about the assignments will be announced in class. Unless otherwise explicitly stated, assignments are to be your own

individual, unaided (except by the instructor or a lab TA) work, and not to be shared with anyone. See the section below on Academic Integrity.

As a general rule, I may not be able to answer all the emailed questions that are sent within the 24 hour period immediately preceding the due date of an assignment. Please get started early on assignments and take advantage of my office hours.

Because I understand life happens, with the exception of the final assignment I will allow you to submit ONE assignment, up to 24 hours late. Otherwise, assignments are to be turned in no later than the specified day and time listed on the assignment handout. After you have used your ONE late submissions, any further late submissions will not be accepted and will receive a grade of zero (0). It is best to complete and submit an assignment early rather than risk last-minute complications.

Quizzes and In-class activities 15%

You will be given several quizzes during the semester, some will be unannounced. No makeup quizzes will be given. Quizzes missed due to unexcused absence or tardiness will receive a grade of zero (0). From time to time we will have in-class activities. These will be unannounced activities. If you fail to attend class the day of an in-class activity you will receive a grade of zero (0). Under no circumstances will you be allowed to make up an in-class activity.

Lab 10%

There will be 1 lab per week outside of the lecture. Lab attendance is required.

Midterm Exams 30%

Each exam will be cumulative and will cover topics discussed in both lecture and lab.

The tentative exam schedule is as follows:

Midterm I: Wednesday, February 15, 2017
Midterm II: Wednesday, March 29, 2017

Midterm exams missed due to unexcused absence or tardiness will receive a grade of zero (0). Once the first exam has been handed in, no more exams will be issued (i.e. No make-up exams).

If the University cancels classes on the day of a scheduled exam, the exam will be rescheduled.

Final Exam 15%

The final exam will be cumulative. However, if you have an 94 or above (not 93.999) average across all work recorded on or before the last day of the semester, you will receive a final exam exemption. Note that some assignments, particularly those turned in toward the end of the semester, might not be graded until after the final exam. Hence, it is possible to receive a B in the course after having opted out of the final exam.

Note that if you are not exempt from the final, a missed exam will receive a grade of zero (0).

Attendance Policy

Studies have found that the single most important factor that contributes to success in a course is class attendance. With this class, like others, each lecture builds upon preceding lectures. Missing even a single class can make it difficult to keep up with the course material. Regular and punctual attendance at all class sessions is expected.

Being absent, excused or not, does not change the responsibility for assigned work or material covered during the class. For University-sponsored events, students must provide written notice prior to the event. For all other excused absences, students should provide to the instructor as soon as possible, written documentation from an acceptable outside source (e.g., school administrator or physician).

Attendance is mandatory on exam days. No make-up exams or quizzes will be given. If you arrive late on the day of a quiz or exam, you will be allowed to participate, but will not be given additional time to compensate for being tardy.

If I am more than ten (10) minutes late, you should assume that I am dealing with an emergency and will not make it to class. Check your email in those circumstances for further explanation.

In the event the university should cancel classes, inclement weather, power outage, etc., any exam that was scheduled will be given at the next class meeting unless contacted by the instructor. Any assignments due at the time of the class cancellation will be due at the next class meeting unless contacted by the instructor. Students will be notified of extension or postponement of assignments or exams through Blackboard.

Lab attendance is required.

Laptop Policy

Although a laptop is not required for class, there may be some classes where I may ask you to do some in-class exercises using your laptop. Some students also find it helpful to follow along in class on their laptops as I demonstrate some small programs in class.

Additionally, there are rules with regards to electronics in class that you are required to observe not only as a courtesy to your classmates but also to assure that you have the best opportunity for a positive learning experience:

- Laptop and phone speakers and alarms MUST be set to mute or off before coming to class.
- All social media sites, games, etc MUST be turned off during class. If you engage in unauthorized communication or entertainment during class (e.g. surfing the web, instant messaging, playing games, etc.), you will be asked to close your laptop. If this activity occurs during an exam or quiz, it constitutes academic dishonesty (see following).
- The use of headphones is prohibited during class.

Academic Integrity

> As members of the Clemson University community, we have inherited Thomas Green Clemson's vision of this institution as a 'high seminary of learning.' Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form."

Academic integrity is taken very seriously. The University's statement on academic integrity can be found at `www.clemson.edu/administration/student-affairs/student-handbook/universitypolicies/academic_integrity.html`. Unless otherwise instructed, you are expected to work independently on projects and labs. The instructor may use automated tools to look for similarities in code which could indicate plagiarism. Instances of copying or sharing, or cheating in any way will result in an academic dishonesty charge, which can lead to an F in the course or expulsion from the university. Each student is responsible for protecting his or her files and work from access by others. Work that is essentially the same and submitted without proper attribution is considered to be a violation of academic dishonesty policies by all those submitting the work, regardless of who actually did the work.

For this course, it is considered cheating to do any of the following:

- discuss in detail the code in your program with another person (other than the instructor or the lab TAs)
- use code obtained from another student, or any other unauthorized source, either modified or unmodified (each student is responsible for protecting his or her files from access by others)
- use reengineering tools
- submit work of others, from the Internet or any other source
- use unauthorized aids such as the textbook or other individuals on exercises, quizzes, or exams

A good rule of thumb if you are not sure if an action is considered cheating, ASK the instructor.

If it is determined that you have cheated the following will be the consequences:

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- If you choose to admit your mistake you will receive a negative one hundred (-100) for the assignment. This basically is the equivalent of zeros on two assignments.
- If you feel you have not violated Clemson's academic integrity policy, it is your right to ask for a hearing. If your case goes to a hearing and you are found to be in violation of the university's academic integrity policy you will receive an F in the course.

Learning and Feedback

I expect to foster a nurturing learning environment based upon communication and mutual respect. I will give serious consideration to any suggestion as to how to further such a positive and open environment. I encourage you to give feedback on various aspects of the course, including but not limited to content, quizzes, exams, style, and treatment. Please feel free to express your opinions during my office hours. Your feedback is important for improving the quality of this course.

Disability Access

Clemson University values the diversity of our student body as a strength and a critical component of our dynamic community. Students with disabilities or temporary injuries/conditions may require accommodations due to barriers in the structure of facilities, course design, technology used for curricular purposes, or other campus resources. Students who experience a barrier to full access to this class should let the professor know, and make an appointment to meet with a staff member in Student Accessibility Services as soon as possible. You can make an appointment by calling 864-656-6848, by emailing studentaccess@lists.clemson.edu, or by visiting Suite 239 in the Academic Success Center building. Appointments are strongly encouraged – drop-ins will be seen if at all possible, but there could be a significant wait due to scheduled appointments. Students who receive Academic Access Letters are strongly encouraged to request, obtain and present these to their professors as early in the semester as possible so that accommodations can be made in a timely manner. It is the student's responsibility to follow this process each semester. You can access further information here: http://www.clemson.edu/campus-life/campus-services/sds/.

Title IX

Clemson University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender, pregnancy, national origin, age, disability, veteran's status, genetic information or protected activity (e.g., opposition to prohibited discrimination or participation in any complaint process, etc.) in employment, educational programs and activities, admissions and financial aid. This includes a prohibition against sexual harassment and sexual violence as mandated by Title IX of the Education Amendments of 1972. This policy is located at http://www.clemson.edu/campus-life/campus-services/access/title-ix/ Mr. Jerry Knighton is the Clemson University Title IX Coordinator. He also is the Director of Access and Equity. His office is located at 111 Holtzendorff Hall, 864.656.3181 (voice) or 864.565.0899 (TDD).

Important Dates

Dates below are for the Spring Semester:

Date	Description
January 11, W	Classes Begin
January 16, M	Martin Luther King, Jr., holiday
January 18, W	Last day to register and add a class or declare Audit
January 25, W	Last day to drop a class or withdraw from Clemson w/o a W grade
March 3, F	Last day for instructors to issue mid-term evaluations
March 17, F	Last day to drop a class or withdraw from Clemson w/o final grades
March 20 - 24, M - F	Spring break
May 1 - 5, M - F	Exams

Final Exam Times:
Section 001: Tuesday, May 2, 2017, 3:00 pm - 5:30 pm
Section 002: Tuesday, May 2, 2017, 8:00 am –10:30 am